



ELECTRONIC CHROME & GRINDING CO. INC.

9128-32 DICE RD. • SANTA FE SPRINGS, CA 90670 • (562) 946-6671 • FAX (562) 946-5903

*Hard Chrome Plating • Internal & External Grinding
Chrome Tanks 16 Foot Depth • Power Honing to 6" Capacity
Grinding Capacity to 20" x 120" • Centerless Grinding*

March 16, 2004

Environmental Protection Agency
75 Hawthorne St. (WST-3-1)
San Francisco, CA 94105

Attn: Clinton Seiter

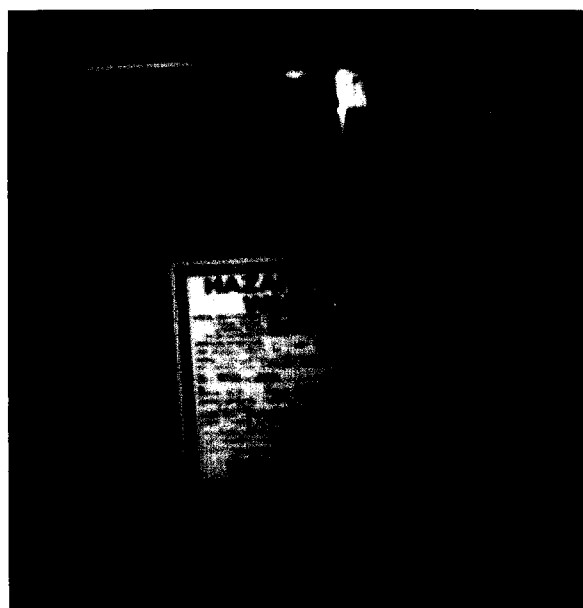
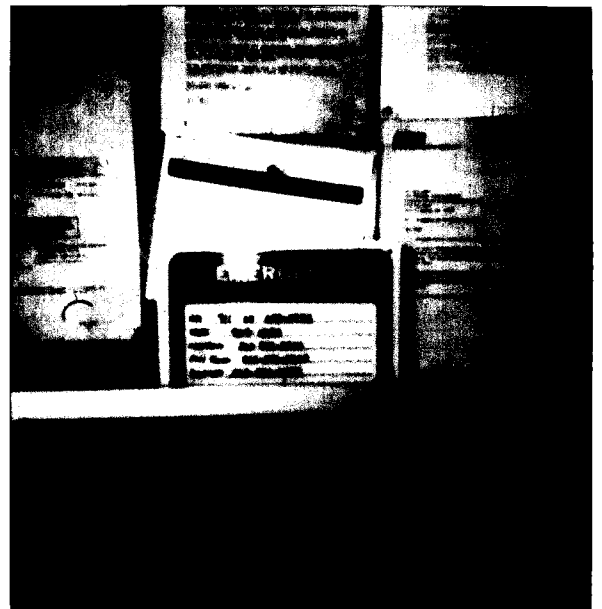
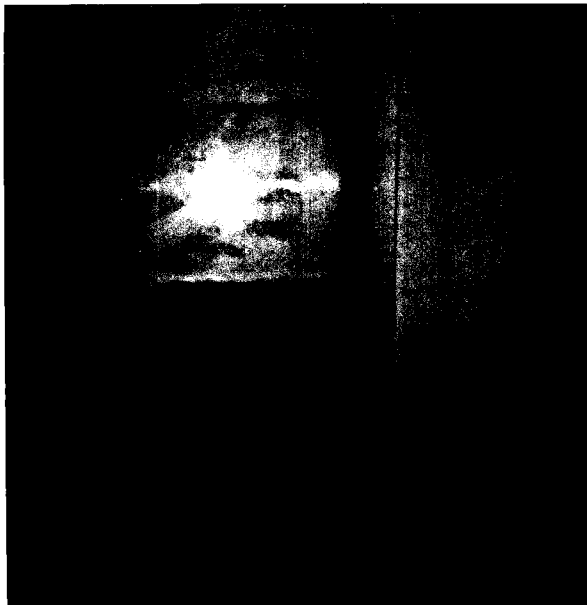
In response to the last visit we have corrected the following things:

- Emergency call lists
- Unmarked grind sludge receptacle

We are working with Richard Kellerman and will be in touch about lab results on the buffing dust.

Sincerely,

Ed Kruck





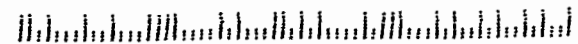
**ELECTRONIC CHROME
& GRINDING CO. INC.**

9128-32 Dice Rd., Santa Fe Springs, CA 90670



Environmental Protection Agency
Waste Management Division
Attn: Clinton Seiter
Enforcement Officer/Field Investigator
75 Hawthorne Street (WST-3-1)
San Francisco, CA 94105

94105+3520



U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

7001 0320 0002 4540 8714

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent to Electronic Chrome + Grinding Co. Inc.
 Street, Apt. No. 9128 Dice Road
 or PO Box No.
 City, State, Zip+4 Santa Fe Springs, CA 90670
 PS Form 3800, January 2001 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

*Mr. Ed Kruck
 Shop Superintendent
 Electronic Chrome + Grinding
 Co. Inc.
 9128 Dice Road
 Santa Fe Springs, CA 90670*

2. Article Number (Copy from service label)

7001 0320 0002 4540 8714

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) <i>JOYCE GILLAM</i>	B. Date of Delivery <i>3/29</i>
C. Signature <i>X Joyce Gillam</i>	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee
D. Is delivery address different from item 1? If YES, enter delivery address below:	<input type="checkbox"/> Yes <input type="checkbox"/> No

3. Service Type	
<input checked="" type="checkbox"/> Certified Mail	<input type="checkbox"/> Express Mail
<input type="checkbox"/> Registered	<input type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Insured Mail	<input type="checkbox"/> C.O.D.
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	

Hi, Kathy

Here is the waste analysis I told you about. It is for shop floor dust near a buffing machine in a chrome plating facility. I don't know enough about "totals" to tell if the reading for chrome would make the dust a RCRA waste or not. What are your thoughts?

Thanks,

Clint
23298

Clint -
See Patrick!!!

Also, what may be more significant is that the industrial Cr P.R.G. is 450 mg/kg - they are way above that which represents the workers.

Clint - Per my recommendation to you, they will need to run TCEP to determine if this is RCRA waste - they already exceed the GLE limit (totals) for Cr, Cu, Ni.

32,000 mg/kg \approx 3% Cr
this is quite high!!!

Kathy

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

7001 0320 0002 4540 8196

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Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To	
Electronic Chrome + Grinding Co. Inc	
Street, Apt. No., or PO Box No. 9128 Dice Road	
City, State, ZIP+4 Santa Fe Springs, CA 90670	

PS Form 3800, January 2001

See Reverse for Instructions



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

75 Hawthorne Street
San Francisco, CA 94105-3901

MAR 24 2004

File

Certified Mail No. 7001 0320 0002 4540 8714
Certified Receipt Requested

In reply, refer to: WST-3

WARNING LETTER

Mr. Ed Kruck, Shop Superintendent
Electronic Chrome & Grinding Co., Inc.
9128 Dice Road
Santa Fe Springs, CA 90670

Dear Mr. Kruck:

On February 25, 2004, a hazardous waste investigation was conducted by representatives of the United States Environmental Protection Agency ("EPA"), accompanied by representatives from Santa Fe Springs Fire Department, at the Electronic Chrome & Grinding Co., Inc., located at 9128 Dice Road, Santa Fe Springs, CA 90670, EPA Identification Number CAT000612119. During the course of this investigation, information was gathered in accordance with Section 3007 of the Resource Conservation and Recovery Act ("RCRA"), as amended [42 U.S.C. 6927]. A copy of the investigation report is enclosed for your information and response. The report describes conditions at the facility at the time of the investigation, and identifies areas of noncompliance with the California authorized program under RCRA Subtitle C. Any omissions in the report shall not be construed as a determination of compliance with all applicable regulations.

Pursuant to Section 3008 of RCRA [42 U.S.C. 6928] you are required to:

I) Continue to pursue your waste analysis on the buffing dust, as discussed in your letter to EPA dated March 16, 2004. Once you have the results of your analysis, please forward them on to EPA.

By copy of this letter, EPA is providing the State of California with notice of the referenced violations of Subtitle C of RCRA. EPA is also providing the State with notice that EPA may take appropriate enforcement action if the facility does not resolve the violations within the time specified above, and the State does not take appropriate enforcement action. California may notify EPA of its intent to assume or decline responsibility to take such action to resolve the referenced violations.

EPA reserves the right to take further enforcement action as it deems appropriate.

However, your response to this letter will be considered in determining the need for further enforcement action. Violations of Subtitle C of RCRA such as those listed in the enclosed report may be punishable by civil and criminal actions, including penalties of up to \$27,500 per day for each violation as provided by Section 3008 of RCRA.

EPA routinely provides copies of investigation reports to state agencies, and upon request, to the public. Such releases are handled according to the Freedom of Information Act regulations (40 CFR Part 2). If you believe this report contains privileged or confidential information, you may make a claim within twenty-one (21) calendar days from the date of receipt of this letter. EPA will construe your failure to furnish a timely claim as a waiver of the confidentiality claim.

Your response to this Warning Letter, due within **fourteen (14)** calendar days of your receipt of this letter, shall be mailed to:

Clint Seiter
Mailcode: WST-3
RCRA Enforcement Office
U.S. EPA, Region 9
75 Hawthorne Street
San Francisco, CA 94105

If you have questions related to technical aspects of the investigation report or this letter, please contact Clint Seiter at (415) 972-3298.

Sincerely,



Loren Henning, Manager
RCRA Enforcement Office

Enclosure

cc w/o enclosure: Steve Lavinger, DTSC

Richard Kallman, Santa Fe Springs Fire Department



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105-3901

716

APR 22 2004

Certified Mail No. 7001 0320 0002 4540 8196
Return Receipt Requested

Mr. Ed Kruck
Shop Superintendent
Electronic Chrome & Grinding Co., Inc.
9128 Dice Road
Santa Fe Springs, CA 90670

Re: Certification of Violation Correction

Dear Mr. Kruck:

On February 25, 2004, a hazardous waste investigation was conducted by representatives of the United States Environmental Protection Agency ("EPA"), accompanied by a representative from the Santa Fe Springs Fire Department at Electronic Chrome & Grinding Co., Inc. located at 9128 Dice Road, Santa Fe Springs, CA, EPA Identification Number CAD008391427. During the course of this investigation, information was gathered in accordance with Section 3007 of the Resource Conservation and Recovery Act ("RCRA"), as amended [42 U.S.C. 6927].

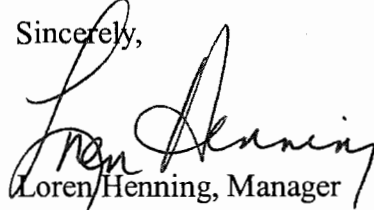
Pursuant to Section 3008 of RCRA [42 U.S.C. 6928] EPA required you to correct the identified area of noncompliance and to submit documentation of its correction to the EPA within fourteen (14) days from the date on the Warning letter and inspection report sent on March 24, 2004.

Electronic Chrome & Grinding Co., Inc.'s submittal, dated April 14, 2004, adequately addresses the violation which was noted during the inspection and documents Electronic Chrome & Grinding Co., Inc.'s return to compliance with the regulations cited in the inspection report. This letter should not be construed as a determination by EPA of your compliance with any and all other applicable regulations.

Per the waste analysis you submitted, the dust from your facility's buffing machine did not exhibit levels of chromium contamination sufficient to categorize it as a RCRA hazardous waste. However, it is still a California only, non-RCRA hazardous waste and must be disposed of accordingly (i.e., to a permitted hazardous waste disposal facility). In addition, workers who may come into contact with this buffing dust must be adequately protected. It is your facility's responsibility to determine the proper respiratory precautions needed to ensure your workers' safety and make sure that these precautions are implemented.

Electronic Chrome & Grinding Co., Inc. should continue to take the necessary steps to maintain and ensure compliance with all applicable Federal, State and local environmental requirements. If you have questions related to technical aspects of the investigation report or this letter, please contact Clint Seiter at (415) 972-3298.

Sincerely,

A handwritten signature in black ink, appearing to read "Loren Henning". The signature is fluid and cursive, with the first name "Loren" and last name "Henning" clearly distinguishable.

Loren Henning, Manager
RCRA Enforcement Office (WST-3)

Enclosures

cc: Steve Lavinger, DTSC

Richard Kallman, Santa Fe Springs Fire Department

Certified Mail No.
Return Receipt Requested

Mr. Ed Kruck
Shop Superintendent
Electronic Chrome & Grinding Co., Inc.
9128 Dice Road
Santa Fe Springs, CA 90670

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Electronic Chrome & Grinding Co., Inc. should continue to take the necessary steps to maintain and ensure compliance with all applicable Federal, State and local environmental requirements. If you have questions related to technical aspects of the investigation report or this letter, please contact Clint Seiter at (415) 972-3298.

Sincerely,

Loren Henning, Manager
RCRA Enforcement Office (WST-3)

Enclosures

cc: Steve Lavinger, DTSC

Richard Kallman, Santa Fe Springs Fire Department

MAIL CODE	WST-3	WST-3				
SURNAME	SEITER	Henning				
DATE	4-21-04	4/22/04				

U.S. EPA CONCURRENCES

OFFICIAL FILE COPY



**ELECTRONIC CHROME
& GRINDING CO. INC.**

9128-32 Dice Rd. • Santa Fe Springs, CA 90670
Hard Chrome Plating • Internal & External Grinding

FAX TRANSMITTAL SHEET

ATTENTION: CLINT Seiter

COMPANY: EPA

FAX NUMBER: 415-947-3530 DATE: 4-15-04

NO. OF PAGES: 2 (Including Cover) FROM: ED KRUCK

MESSAGE: Cover letter Revised.

FAX REPLY TO (562) 946-5903 OR PHONE AT (562) 946-6671



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April 13, 2004

Clint Seiter
Mailcode WST-3
RCRA Enforcement Office
U. S. EPA, Region 9
75 Hawthorne Street
San Francisco, CA 94105

Dear Mr. Seiter

Electronic Chrome has had a second test performed on buffing dust in the buffing area as requested. I will FAX the results to you and Richard Kallman. Richard has informed me that based on the test results, the buffing dust is a state regulated hazardous waste and is not federally regulated. He also has informed me the disposal of this dust may be included in with the filter cake, provided our waste disposal company can accept this waste.

This should put ECG in compliance with all applicable regulations.

Sincerely,

Ed Kruck

cc: Steve Lavinger, DTSC
Richard Kallman, Santa Fe Springs Fire Department

WEST COAST ANALYTICAL SERVICE, INC.

Electronic Chrome & Grinding Co
Attn: Ed KruckJob No: 68967
March 11, 2004CCR Metals by SOP 7040, Rev 8
Quantitative Analysis Report
Inductively Coupled Plasma - Mass Spectrometry

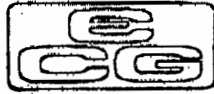
Total Metals Concentration - Parts Per Million (mg/kg)

**** Exceeds TTLC Limits * May Exceed STLC Limits

	<u>Shop Floor Dust</u>		<u>Detection Limit</u>		<u>10 X STLC Limits</u>	<u>TTLC Limits</u>
Antimony	7.6		0.4		150	500
Arsenic	ND		60		50	500
Barium	2550	*	3		1000	10000
Beryllium	1.9		0.4		7.5	75
Cadmium	1.8		0.4		10	100
Chromium #	32000	****	10	(Cr VI)	50	500
				(Cr III)	5600	2500
Cobalt	117		0.4		800	8000
Copper #	7000	****	0.6		250	2500
Lead	511	*	0.4		50	1000
Mercury	1.9		0.4		2	20
Molybdenum	478		1		3500	3500
Nickel #	9600	****	0.5		200	2000
Selenium	ND		5		10	100
Silver	2.4		0.4		50	500
Thallium	0.8		0.4		70	700
Vanadium	ND		100		240	2400
Zinc	58.4		10		2500	5000

Dates Analyzed: 03-05-04, # 03-08-04

- (1) Chromium is reported above as total chromium in sample.
- (2) 10 X STLC Limits are used for comparison due to the 1/10 dilution of the sample during leachate preparation.



**ELECTRONIC CHROME
& GRINDING CO. INC.**

9128-32 Dice Rd. · Santa Fe Springs, CA 90670
Hard Chrome Plating · Internal & External Grinding

FAX TRANSMITTAL SHEET

ATTENTION: CLINT SEITER

COMPANY: EPA

FAX NUMBER: (415) 947-3530 DATE: 4-14-04

NO. OF PAGES: 8 (Including Cover) FROM: ED KRUCK

MESSAGE: TESTING Reports.

FAX REPLY TO (562) 946-5903 OR PHONE AT (562) 946-6671



ELECTRONIC CHROME & GRINDING CO. INC.

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April 13, 2004

Clint Seiter
Mailcode WST-3
RCRA Enforcement Office
U. S. EPA, Region 9
75 Hawthorne Street
San Francisco, CA 94105

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This should put ECG in compliance with all applicable regulations.

Sincerely,

Ed Kruck

cc: Steve Lavinger, DTSC
Richard Kallman, Santa Fe Springs Fire Department

Lab Results



FIRST Report

March 11, 2004

Electronic Chrome & Grinding Co
9128-32 Dice Rd
Santa Fe Springs, CA 90670

Attn: Ed Kruck

Job No: 68967

MG

LABORATORY REPORT

Samples Received: One (1) Sample
Date Received: 03/02/2004
Purchase Order No: COD

The sample was analyzed as follows:

AnalysisPage

CCR Metals by SOP 7040, Rev 8

2 - 4

D.J. Northington, Ph.D.
Quality Assurance Officer

Charles Jacks, Ph.D.
Senior Staff Chemist

This report is to be reproduced in its entirety.

9240 Santa Fe Springs Road • Santa Fe Springs, CA 90670 • Tel: 562.948.2225 Fax: 562.948.5850 • wcus.com

WEST COAST ANALYTICAL SERVICE, INC.

Electronic Chrome & Grinding Co
Attn: Ed Kruck

Job No: 68967
March 11, 2004

CCR Metals by SOP 7040, Rev 8
Quantitative Analysis Report
Inductively Coupled Plasma - Mass Spectrometry

Total Metals Concentration - Parts Per Million (mg/kg)

**** Exceeds TTLC Limits * May Exceed STLC Limits

	<u>Shop Floor Dust</u>		<u>Detection Limit</u>		<u>10 X STLC Limits</u>	<u>TTLC Limits</u>
Antimony	7.6		0.4		150	500
Arsenic	ND		60		50	500
Barium	2550	*	3		1000	10000
Beryllium	1.9		0.4		7.5	75
Cadmium	1.8		0.4		10	100
Chromium #	32000	****	10	(Cr VI) (Cr III)	50 5600	500 2500
Cobalt	117		0.4		800	8000
Copper #	7000	****	0.6		250	2500
Lead	511	*	0.4		50	1000
Mercury	1.9		0.4		2	20
Molybdenum	478		1		3500	3500
Nickel #	9600	****	0.5		200	2000
Selenium	ND		5		10	100
Silver	2.4		0.4		50	500
Thallium	0.8		0.4		70	700
Vanadium	ND		100		240	2400
Zinc	58.4		10		2500	5000

Dates Analyzed: 03-05-04, # 03-08-04

- (1) Chromium is reported above as total chromium in sample.
- (2) 10 X STLC Limits are used for comparison due to the 1/10 dilution of the sample during leachate preparation.

This report is to be reproduced in its entirety.

WEST COAST ANALYTICAL SERVICE, INC.

Electronic Chrome & Grinding Co
Attn: Ed Kruck

Job No: 68967
March 11, 2004

Quality Control Summary

Sample: Shop Floor Dust

Parts Per Million (mg/kg)

Analyte	Sample Result	Duplicate Result	Average Result	Sample RPD	Spike Conc	Spike Result	Spike % Rec
Antimony	7.6	7.5	7.55		19.6	24	84
Arsenic	ND	ND	ND		19.6	ND	NR
Barium	2550	2200	2375	14.7	19.6	2560	NR
Beryllium	1.9	1.8	1.85		19.6	22.7	106
Cadmium	1.8	2.1	1.95		19.6	21.3	99
Chromium #	32000	31400	31700	1.9	19.6	25100	NR
Cobalt	117	114	115.5	2.6	19.6	106	NR
Copper #	7000	6900	6950	1.4	19.6	5600	NR
Lead	511	519	515	1.6	19.6	506	NR
Mercury	1.9	1.6	1.75		1.96	4.2	125
Molybdenum	478	478	478	0	19.6	395	NR
Nickel #	9600	9600	9600	0	19.6	7800	NR
Selenium	ND	ND	ND		19.6	171	87
Silver	2.4	2.4	2.4		19.6	22.9	105
Thallium	0.8	0.5	0.65		19.6	20.4	101
Vanadium	ND	ND	ND		19.6	ND	0
Zinc	58.4	99.5	78.95		19.6	76.5	NR

Dates Analyzed: 03-05-04, # 03-08-04

NR - Not Reported; sample concentration is larger than spike.

This report is to be reproduced in its entirety.

WEST COAST ANALYTICAL SERVICE, INC.

Electronic Chrome & Grinding Co
Attn: Ed Kruck

Job No: 68967
March 11, 2004

Quality Control Summary

Sample: Laboratory Fortified Blank (LFB)

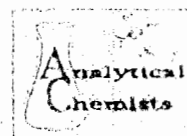
Parts Per Million (mg/kg)

<u>Analyte</u>	<u>Sample Result</u>	<u>Spike Conc</u>	<u>Spike Result</u>	<u>Spike % Rec</u>
Antimony	ND	20	19.4	97
Arsenic	ND	20	24.1	121
Barium	ND	20	20.7	104
Beryllium	ND	20	29.9	150
Cadmium	ND	20	21.1	106
Chromium	ND	20	20.5	103
Cobalt	ND	20	20.1	101
Copper	ND	20	20.4	102
Lead	ND	20	18.5	93
Mercury	ND	2	2.32	116
Molybdenum	ND	20	18.7	94
Nickel	ND	20	20.2	101
Selenium	ND	200	214	107
Silver	ND	20	21.6	108
Thallium	ND	20	16.5	83
Vanadium	ND	20	19	95
Zinc	ND	20	21	105

Date Analyzed: 03-05-04

This report is to be reproduced in its entirety.

WCA



Second Report

April 7, 2004

Electronic Chrome & Grinding Co
9128-32 Dice Rd
Santa Fe Springs, CA 90670

Attn: Ed Kruck

Job No: 69507

MG

LABORATORY REPORT

Samples Received: One (1) Sample
Date Received: 03/30/2004
Purchase Order No: COD

The sample was analyzed as follows:

Analysis

Page

Selected Metals in TCLP Leachate by SOP 7040, Rev 8

2

Charles Jacks, Ph.D.
Senior Staff Chemist

Michael Shelton
Senior Staff Chemist

This report is to be reproduced in its entirety.

West Coast Analytical Service, Inc.

WEST COAST ANALYTICAL SERVICE, INC.

Electronic Chrome & Grinding Co
Attn: Ed Kruck

Job No: 69507
April 7, 2004

Selected Metals in TCLP Leachate by by SOP 7040, Rev 8
Quantitative Analysis Report
Inductively Coupled Plasma - Mass Spectrometry

Parts Per Million (mg/L)

<u>Element</u>	<u>Floor Sweeping</u>	<u>Regulatory Levels</u>	<u>Detection Limit</u>
Barium	0.79	100	0.02
Chromium	3.0	5	0.02
Lead	0.06	5	0.001

Date Analyzed: 04-05-04

Quality Control Summary

Sample: Laboratory Fortified Blank

<u>Analyte</u>	<u>Blank Result</u>	<u>Amount Spiked</u>	<u>LFB Result</u>	<u>LFB % Rec</u>
Barium	ND	1	0.875	88
Chromium	ND	1	0.977	98
Lead	ND	1	0.955	96

Date Analyzed: 04-05-04

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April 13, 2004

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cc: Steve Lavinger, DTSC
Richard Kallman, Santa Fe Springs Fire Department

RECORDS SEPARATOR PAGE

**RECORDS
SEPARATOR
PAGE**

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

ROUTING SLIP FOR RCRA INSPECTION REPORTS

From: CLINT SEITER

Facility Name: ELECTRONIC CHROME & GRINDING, CO.

	Initials	Date
1. Lead Inspector (Report Writer):	CJS	3-22
– RCRA Info Evaluation & Violation Entry (CEI Date)	CJS	3-22
– ICIS Entry (Add Compliance Monitoring)		
– RCRA Info Enforcement Entry (102, 105)		
– EJ Maps		
2. 2nd Inspector (Reviewer):	cm	3-22-04
3. QA/QC Team Reviewer (Formal Actions Only):		
4. Supervisor:	DN	3/24/04
5. Lou Tully:	Lt	3/24/04
6. Lead Inspector (File):		

Notes:

RECORDS SEPARATOR PAGE

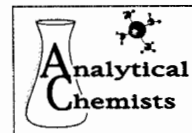
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Lab Results



FIRST Report

March 11, 2004

Electronic Chrome & Grinding Co
9128-32 Dice Rd
Santa Fe Springs, CA 90670

Attn: Ed Kruck

Job No: 68967

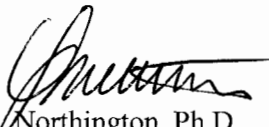
MG


LABORATORY REPORT

Samples Received: One (1) Sample
Date Received: 03/02/2004
Purchase Order No: COD

The sample was analyzed as follows:

<u>Analysis</u>	<u>Page</u>
CCR Metals by SOP 7040, Rev 8	2 - 4


D.J. Northington, Ph.D.
Quality Assurance Officer


Charles Jacks, Ph.D.
Senior Staff Chemist

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WEST COAST ANALYTICAL SERVICE, INC.

Electronic Chrome & Grinding Co
Attn: Ed Kruck

Job No: 68967
March 11, 2004

CCR Metals by SOP 7040, Rev 8
Quantitative Analysis Report
Inductively Coupled Plasma - Mass Spectrometry

Total Metals Concentration - Parts Per Million (mg/kg)

**** Exceeds TTLC Limits * May Exceed STLC Limits

	<u>Shop Floor Dust</u>		<u>Detection Limit</u>		<u>10 X STLC Limits</u>	<u>TTLC Limits</u>
Antimony	7.6		0.4		150	500
Arsenic	ND		60		50	500
Barium	2550	*	3		1000	10000
Beryllium	1.9		0.4		7.5	75
Cadmium	1.8		0.4		10	100
Chromium #	32000	****	10	(Cr VI)	50	500
				(Cr III)	5600	2500
Cobalt	117		0.4		800	8000
Copper #	7000	****	0.6		250	2500
Lead	511	*	0.4		50	1000
Mercury	1.9		0.4		2	20
Molybdenum	478		1		3500	3500
Nickel #	9600	****	0.5		200	2000
Selenium	ND		5		10	100
Silver	2.4		0.4		50	500
Thallium	0.8		0.4		70	700
Vanadium	ND		100		240	2400
Zinc	58.4		10		2500	5000

Dates Analyzed: 03-05-04, # 03-08-04

- (1) Chromium is reported above as total chromium in sample.
- (2) 10 X STLC Limits are used for comparison due to the 1/10 dilution of the sample during leachate preparation.

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WEST COAST ANALYTICAL SERVICE, INC.

Electronic Chrome & Grinding Co
Attn: Ed Kruck

Job No: 68967
March 11, 2004

Quality Control Summary

Sample: Shop Floor Dust

Parts Per Million (mg/kg)

Analyte	Sample Result	Duplicate Result	Average Result	Sample RPD	Spike Conc	Spike Result	Spike % Rec
Antimony	7.6	7.5	7.55		19.6	24	84
Arsenic	ND	ND	ND		19.6	ND	NR
Barium	2550	2200	2375	14.7	19.6	2560	NR
Beryllium	1.9	1.8	1.85		19.6	22.7	106
Cadmium	1.8	2.1	1.95		19.6	21.3	99
Chromium #	32000	31400	31700	1.9	19.6	25100	NR
Cobalt	117	114	115.5	2.6	19.6	106	NR
Copper #	7000	6900	6950	1.4	19.6	5600	NR
Lead	511	519	515	1.6	19.6	506	NR
Mercury	1.9	1.6	1.75		1.96	4.2	125
Molybdenum	478	478	478	0	19.6	395	NR
Nickel #	9600	9600	9600	0	19.6	7800	NR
Selenium	ND	ND	ND		19.6	171	87
Silver	2.4	2.4	2.4		19.6	22.9	105
Thallium	0.8	0.5	0.65		19.6	20.4	101
Vanadium	ND	ND	ND		19.6	ND	0
Zinc	58.4	99.5	78.95		19.6	76.5	NR

Dates Analyzed: 03-05-04, # 03-08-04

NR - Not Reported; sample concentration is larger than spike.

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WEST COAST ANALYTICAL SERVICE, INC.

Electronic Chrome & Grinding Co
Attn: Ed Kruck

Job No: 68967
March 11, 2004

Quality Control Summary

Sample: Laboratory Fortified Blank (LFB)

Parts Per Million (mg/kg)

<u>Analyte</u>	<u>Sample Result</u>	<u>Spike Conc</u>	<u>Spike Result</u>	<u>Spike % Rec</u>
Antimony	ND	20	19.4	97
Arsenic	ND	20	24.1	121
Barium	ND	20	20.7	104
Beryllium	ND	20	29.9	150
Cadmium	ND	20	21.1	106
Chromium	ND	20	20.5	103
Cobalt	ND	20	20.1	101
Copper	ND	20	20.4	102
Lead	ND	20	18.5	93
Mercury	ND	2	2.32	116
Molybdenum	ND	20	18.7	94
Nickel	ND	20	20.2	101
Selenium	ND	200	214	107
Silver	ND	20	21.6	108
Thallium	ND	20	16.5	83
Vanadium	ND	20	19	95
Zinc	ND	20	21	105

Date Analyzed: 03-05-04

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WEST COAST ANALYTICAL SERVICE, INC.

Electronic Chrome & Grinding Co
Attn: Ed Kruck

Job No: 69507
April 7, 2004

Selected Metals in TCLP Leachate by by SOP 7040, Rev 8
Quantitative Analysis Report
Inductively Coupled Plasma - Mass Spectrometry

Parts Per Million (mg/L)

<u>Element</u>	<u>Floor Sweeping</u>	<u>Regulatory Levels</u>	<u>Detection Limit</u>
Barium	0.79	100	0.02
Chromium	3.0	5	0.02
Lead	0.06	5	0.001

Date Analyzed: 04-05-04

Quality Control Summary

Sample: Laboratory Fortified Blank

<u>Analyte</u>	<u>Blank Result</u>	<u>Amount Spiked</u>	<u>LFB Result</u>	<u>LFB % Rec</u>
Barium	ND	1	0.875	88
Chromium	ND	1	0.977	98
Lead	ND	1	0.955	96

Date Analyzed: 04-05-04

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SECOND REPORT

April 7, 2004

Electronic Chrome & Grinding Co
9128-32 Dice Rd
Santa Fe Springs, CA 90670

Attn: Ed Kruck

Job No: 69507

MG

LABORATORY REPORT

Samples Received: One (1) Sample
Date Received: 03/30/2004
Purchase Order No: COD

The sample was analyzed as follows:

Analysis

Page

Selected Metals in TCLP Leachate by SOP 7040, Rev 8

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Charles Jacks, Ph.D.
Senior Staff Chemist

Michael Shelton
Senior Staff Chemist

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